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P.L.

RAW SEQUENCE LISTING

DATE: 05/01/2002

PATENT APPLICATION: US/09/804,409A

TIME: 09:28:28

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Output Set: N:\CRF3\05012002\I804409A.raw

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3 <110> APPLICANT: KIEFFER, TIMOTHY J.
4   CHEUNG, ANTHONY T.
6 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR REGULATED PROTEIN
7   EXPRESSION IN GUT
9 <130> FILE REFERENCE: 029996/027 8721
11 <140> CURRENT APPLICATION NUMBER: 09/804,409A
12 <141> CURRENT FILING DATE: 2001-03-12
14 <160> NUMBER OF SEQ ID NOS: 18
16 <170> SOFTWARE: PatentIn Ver. 2.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 19
20 <212> TYPE: DNA
21 <213> ORGANISM: Artificial Sequence
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24 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
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66 <210> SEQ ID NO: 5
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68 <212> TYPE: DNA

69 <213> ORGANISM: Mus musculus

71 <400> SEQUENCE: 5

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74 ggttgttgaa tgaatacacg cgaagccggt tctcatttag gggcatgagt aggcagaggt 180
75 gtgggcagga agcaggaaag agcggaaaca ggtgcggaca gaaaggaggg gctctgaagg 240
76 atgccagtca gtgccaaact gtcattccaga taccaggttc actgtggccc taggccaggc 300
77 tgcacggggc ttcccatgtg gtctgcccag ggtgagagca gaactgcggt gggcggggca 360
78 gaagaaaacc aaccagggaag caggggttgca cccaaattat ccaggtttta agtacattta 420
79 agagacaagg ctgggctgtt gaaggtcaga ggtgtccctg ggggtgctga ctaggactga 480
80 ccacttctgt tttagtttaa tggtgagAAC tgcctcacac tgcctacctg cttacttgcc 540
81 ccttgagagc tgtgagccta ggacccaccc atgtgtgggt tggaccttca gtcacacact 600
82 gaacgtgtgt gaagccactg gttgtcagag cagggctctc ggcactgagg aagcagtgc 660
83 cactatcccc tatcaaataa caattaaata cacacagaat gcgaggcaca caactgagtt 720
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92 accgctactg cagtgttccc gctgggtgcg agctttggta gccagactac agaccactc 1260
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99 <213> ORGANISM: Mus musculus

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104 gcttctgtag caaaatcttt ctggcatatg caatagtgtc tgggttttgt ggttgtatat 180
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106 ctttgtctct gtaactcctt ccattgggtac ttgtttccc attctaagaa ggagcaaagt 300
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109 atccccattg attaaagcct tcttaaagcc agaaaactat attcattttt tcttttccc 480
110 agtagttcac aaactatctg gcacctcata agcatcataa ctgagttggg gggtagataa 540
111 aattggaatg tgattgttca gtcagcagag acttttagag gacctcatac aacaagattc 600
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113 aaataaagtt aaaaatttag acctgtataa attattaagg tacctaatac agttccacgg 720
114 caaagtacag ccatggttat gaattataaa tccaagaagc ggtgggttaa ctctgacatt 780
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116 agaagtattt ctgtggtaact atgttctctt gatgccaaag gggctctagg catatgaaaa 900
117 tctctcaatc tctctccctc tctctccccc tcccacccc actctctctc ttctagcagt 960
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119 gcaacacctg attttgtgga agatttgaat ggccctatat agaagtatca acaacttgag 1080
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122 ggagtcataa tatgaaatac gatctatcat atttgcaatg ttctgttcaa ttgtggctgc 1260
123 accaggaaat gagaagctat ttctttatag gcacaaataa aaagatagtc attatctgta 1320
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125 gagatgtcct tgcaattagt catgtctatc tgacagattt ctccctttct aagggaattt 1440
126 gtgctgaaca ttttatttcg agcctcagag ataaaagaag ggggaagaag ctgtagtttt 1500
127 tgctacataa gacagggtggc gtaagcatgc aacgctttta aaaaatatct aaagtgtatt 1560
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129 cgtcagcgtg gaatgcggag tcaggcgcgc aggtctctct taagccgagg agctgtccgg 1680
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142 tggcctacca cagatttcat gtctgccact ggctatgtca gaacatgtag gagcttttgg 180
143 aatcagtgaa acaggtattt tcagactgcc ttccctgcgt ggggctttcc cgaagccata 240
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175 ttcaatagta atataattat tgaacaaata atccttaaaa gaagaaatcc agaggaatag 2160
176 caagttaggg gaagagaggg tgtgtgtgtg tgtgtgtgcg cgcacattta tagccaaaat 2220
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181 aacccaaaaa ccccccataa ttcaacaaca gatatgtcct ggtctgaggg ttccaggcat 2520
182 agaaatagaa acacacagag tgtggagcca gtgcgggttc ggtccgccat tccagttcag 2580
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188 <212> TYPE: DNA

189 <213> ORGANISM: Homo sapiens

191 <400> SEQUENCE: 8

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194 cggcgcggcg caccgctggc cccagggaaa gccgagcggc caccgagccg gcagagaccc 180
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200 <212> TYPE: PRT

201 <213> ORGANISM: Homo sapiens

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208           20           25           30
210 Ser His Leu Val Glu Ala Leu Tyr Leu Val Cys Gly Glu Arg Gly Phe
211           35           40           45
213 Phe Tyr Thr Pro Lys Thr Arg Arg Glu Ala Glu Asp Leu Gln Val Gly
214           50           55           60
216 Gln Val Glu Leu Gly Gly Gly Pro Gly Ala Gly Ser Leu Gln Pro Leu
217   65           70           75           80
219 Ala Leu Glu Gly Ser Leu Gln Lys Arg Gly Ile Val Glu Gln Cys Cys
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227 <211> LENGTH: 450

228 <212> TYPE: DNA

229 <213> ORGANISM: Homo sapiens

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234 tgaaccaaca cctgtgcggc tcacacctg tggaagctct ctacctagt tgccggggaac 180
235 gaggtttctt ctacacaccc aagaccgcc gggaggcaga ggacctgcag gtggggcagg 240
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243 <211> LENGTH: 167
244 <212> TYPE: PRT
245 <213> ORGANISM: Homo sapiens
247 <400> SEQUENCE: 11
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251 Phe Tyr Val Gln Ala Val Pro Ile Gln Lys Val Gln Asp Asp Thr Lys
252 20 25 30
254 Thr Leu Ile Lys Thr Ile Val Thr Arg Ile Asn Asp Ile Ser His Thr
255 35 40 45
257 Gln Ser Val Ser Ser Lys Gln Lys Val Thr Gly Leu Asp Phe Ile Pro
258 50 55 60
260 Gly Leu His Pro Ile Leu Thr Leu Ser Lys Met Asp Gln Thr Leu Ala
261 65 70 75 80
263 Val Tyr Gln Gln Ile Leu Thr Ser Met Pro Ser Arg Asn Val Ile Gln
264 85 90 95
266 Ile Ser Asn Asp Leu Glu Asn Leu Arg Asp Leu Leu His Val Leu Ala
267 100 105 110
269 Phe Ser Lys Ser Cys His Leu Pro Trp Ala Ser Gly Leu Glu Thr Leu
270 115 120 125
272 Asp Ser Leu Gly Gly Val Leu Glu Ala Ser Gly Tyr Ser Thr Glu Val
273 130 135 140
275 Val Ala Leu Ser Arg Leu Gln Gly Ser Leu Gln Asp Met Leu Trp Gln
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